

Sumit K Chanda

List of Publications by Year in descending order

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84
papers

19,221
citations

71102

41
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60623

81
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91
all docs

91
docs citations

91
times ranked

30997
citing authors

#	ARTICLE	IF	CITATIONS
1	Metascape provides a biologist-oriented resource for the analysis of systems-level datasets. <i>Nature Communications</i> , 2019, 10, 1523.	12.8	7,886
2	Global Analysis of Host-Pathogen Interactions that Regulate Early-Stage HIV-1 Replication. <i>Cell</i> , 2008, 135, 49-60.	28.9	881
3	Meta- and Orthogonal Integration of Influenza α OMICs Data Defines a Role for UBR4 in Virus Budding. <i>Cell Host and Microbe</i> , 2015, 18, 723-735.	11.0	868
4	SARS-CoV-2 Infection Depends on Cellular Heparan Sulfate and ACE2. <i>Cell</i> , 2020, 183, 1043-1057.e15.	28.9	860
5	Human host factors required for influenza virus replication. <i>Nature</i> , 2010, 463, 813-817.	27.8	755
6	Discovery of SARS-CoV-2 antiviral drugs through large-scale compound repurposing. <i>Nature</i> , 2020, 586, 113-119.	27.8	672
7	Global landscape of HIV-human protein complexes. <i>Nature</i> , 2012, 481, 365-370.	27.8	651
8	Genome-Wide and Functional Annotation of Human E3 Ubiquitin Ligases Identifies MULAN, a Mitochondrial E3 that Regulates the Organelle's Dynamics and Signaling. <i>PLoS ONE</i> , 2008, 3, e1487.	2.5	628
9	SARS-CoV-2 Orf6 hijacks Nup98 to block STAT nuclear import and antagonize interferon signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28344-28354.	7.1	421
10	Minimizing the risk of reporting false positives in large-scale RNAi screens. <i>Nature Methods</i> , 2006, 3, 777-779.	19.0	417
11	Host Cell Factors in HIV Replication: Meta-Analysis of Genome-Wide Studies. <i>PLoS Pathogens</i> , 2009, 5, e1000437.	4.7	396
12	A probability-based approach for the analysis of large-scale RNAi screens. <i>Nature Methods</i> , 2007, 4, 847-849.	19.0	325
13	Hoxa9 and Meis1 Are Key Targets for MLL-ENL-Mediated Cellular Immortalization. <i>Molecular and Cellular Biology</i> , 2004, 24, 617-628.	2.3	298
14	MDA5 Governs the Innate Immune Response to SARS-CoV-2 in Lung Epithelial Cells. <i>Cell Reports</i> , 2021, 34, 108628.	6.4	287
15	HIV Integration Targeting: A Pathway Involving Transportin-3 and the Nuclear Pore Protein RanBP2. <i>PLoS Pathogens</i> , 2011, 7, e1001313.	4.7	191
16	Telomere-independent Rap1 is an IKK adaptor and regulates NF- κ B-dependent gene expression. <i>Nature Cell Biology</i> , 2010, 12, 758-767.	10.3	190
17	A human MAP kinase interactome. <i>Nature Methods</i> , 2010, 7, 801-805.	19.0	187
18	Human Cep192 Is Required for Mitotic Centrosome and Spindle Assembly. <i>Current Biology</i> , 2007, 17, 1960-1966.	3.9	186

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19	PQBP1 Is a Proximal Sensor of the cGAS-Dependent Innate Response to HIV-1. <i>Cell</i> , 2015, 161, 1293-1305.	28.9	159
20	A functional genomics approach to the mode of action of apratoxin A. <i>Nature Chemical Biology</i> , 2006, 2, 158-167.	8.0	154
21	Clofazimine broadly inhibits coronaviruses including SARS-CoV-2. <i>Nature</i> , 2021, 593, 418-423.	27.8	151
22	Identification of p53 regulators by genome-wide functional analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3456-3461.	7.1	139
23	Functional landscape of SARS-CoV-2 cellular restriction. <i>Molecular Cell</i> , 2021, 81, 2656-2668.e8.	9.7	137
24	NLRX1 Sequesters STING to Negatively Regulate the Interferon Response, Thereby Facilitating the Replication of HIV-1 and DNA Viruses. <i>Cell Host and Microbe</i> , 2016, 19, 515-528.	11.0	130
25	Genome-wide functional analysis of human cell-cycle regulators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14819-14824.	7.1	128
26	BIRC2/cIAP1 Is a Negative Regulator of HIV-1 Transcription and Can Be Targeted by Smac Mimetics to Promote Reversal of Viral Latency. <i>Cell Host and Microbe</i> , 2015, 18, 345-353.	11.0	124
27	Genome-scale functional profiling of the mammalian AP-1 signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12153-12158.	7.1	115
28	Fulfilling the promise: drug discovery in the post-genomic era. <i>Drug Discovery Today</i> , 2003, 8, 168-174.	6.4	106
29	A Short Hairpin RNA Screen of Interferon-Stimulated Genes Identifies a Novel Negative Regulator of the Cellular Antiviral Response. <i>MBio</i> , 2013, 4, e00385-13.	4.1	92
30	Systematic Identification of Cellular Signals Reactivating Kaposi Sarcoma-associated Herpesvirus. <i>PLoS Pathogens</i> , 2007, 3, e44.	4.7	88
31	Tumor suppressor protein (p)53, is a regulator of NF- κ B repression by the glucocorticoid receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17117-17122.	7.1	80
32	TOP1 inhibition therapy protects against SARS-CoV-2-induced lethal inflammation. <i>Cell</i> , 2021, 184, 2618-2632.e17.	28.9	80
33	Bmi-1 Regulation of INK4A-ARF Is a Downstream Requirement for Transformation of Hematopoietic Progenitors by E2a-Pbx1. <i>Molecular Cell</i> , 2003, 12, 393-400.	9.7	78
34	Identification of the Wnt signaling activator leucine-rich repeat in Flightless interaction protein 2 by a genome-wide functional analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 1927-1932.	7.1	76
35	Identification of the tyrosine phosphatase PTP-MEG2 as an antagonist of hepatic insulin signaling. <i>Cell Metabolism</i> , 2006, 3, 367-378.	16.2	70
36	A role for κ B kinase 2 in bipolar spindle assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16940-16945.	7.1	68

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37	B cell terminal differentiation factor XBP-1 induces reactivation of Kaposi's sarcoma-associated herpesvirus. <i>FEBS Letters</i> , 2007, 581, 3485-3488.	2.8	61
38	In Silico Gene Prioritization by Integrating Multiple Data Sources. <i>PLoS ONE</i> , 2011, 6, e21137.	2.5	57
39	HIV-1 Vpu is a potent transcriptional suppressor of NF- κ B-elicited antiviral immune responses. <i>ELife</i> , 2019, 8, .	6.0	53
40	Sensor Sensibility of HIV-1 and the Innate Immune Response. <i>Cells</i> , 2020, 9, 254.	4.1	52
41	The RNA Exosome Syncs IAV-RNAPII Transcription to Promote Viral Ribogenesis and Infectivity. <i>Cell</i> , 2017, 169, 679-692.e14.	28.9	48
42	RIOK3 Is an Adaptor Protein Required for IRF3-Mediated Antiviral Type I Interferon Production. <i>Journal of Virology</i> , 2014, 88, 7987-7997.	3.4	46
43	Identification of novel mammalian growth regulatory factors by genome-scale quantitative image analysis. <i>Genome Research</i> , 2005, 15, 1136-1144.	5.5	45
44	Determining the distribution of probes between different subcellular locations through automated unmixing of subcellular patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2944-2949.	7.1	40
45	Cofactors Required for TLR7- and TLR9-Dependent Innate Immune Responses. <i>Cell Host and Microbe</i> , 2012, 11, 306-318.	11.0	40
46	A Herpesvirus Protein Selectively Inhibits Cellular mRNA Nuclear Export. <i>Cell Host and Microbe</i> , 2016, 20, 642-653.	11.0	40
47	PDX1, a Cellular Homeoprotein, Binds to and Regulates the Activity of Human Cytomegalovirus Immediate Early Promoter. <i>Journal of Biological Chemistry</i> , 2004, 279, 16111-16120.	3.4	32
48	Identification of Homeodomain Proteins, PBX1 and PREP1, Involved in the Transcription of Murine Leukemia Virus. <i>Molecular and Cellular Biology</i> , 2003, 23, 831-841.	2.3	31
49	HIV-1 protease cleaves the serine-threonine kinases RIPK1 and RIPK2. <i>Retrovirology</i> , 2015, 12, 74.	2.0	29
50	The inhibitor apoptosis protein antagonist Debio 1143 Is an attractive HIV-1 latency reversal candidate. <i>PLoS ONE</i> , 2019, 14, e0211746.	2.5	28
51	Pharmacological Activation of Non-canonical NF- κ B Signaling Activates Latent HIV-1 Reservoirs In Vivo. <i>Cell Reports Medicine</i> , 2020, 1, 100037.	6.5	26
52	Genome-scale metabolic modeling reveals SARS-CoV-2-induced metabolic changes and antiviral targets. <i>Molecular Systems Biology</i> , 2021, 17, e10260.	7.2	26
53	Isolation, characterization, and genetic complementation of a cellular mutant resistant to retroviral infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15933-15938.	7.1	25
54	A Functional Screen for Regulators of CKDN2A Reveals MEOX2 as a Transcriptional Activator of INK4a. <i>PLoS ONE</i> , 2009, 4, e5067.	2.5	25

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55	Systems-based analysis of RIG-I-dependent signalling identifies KHSRP as an inhibitor of RIG-I receptor activation. <i>Nature Microbiology</i> , 2017, 2, 17022.	13.3	25
56	Tumor Suppressor Cyldromatosis (CYLD) Controls HIV Transcription in an NF- κ B-Dependent Manner. <i>Journal of Virology</i> , 2014, 88, 7528-7540.	3.4	24
57	Restriction factor compendium for influenza A virus reveals a mechanism for evasion of autophagy. <i>Nature Microbiology</i> , 2021, 6, 1319-1333.	13.3	23
58	A Potent Anti-influenza Compound Blocks Fusion through Stabilization of the Prefusion Conformation of the Hemagglutinin Protein. <i>ACS Infectious Diseases</i> , 2015, 1, 98-109.	3.8	22
59	Functional genomic and high-content screening for target discovery and deconvolution. <i>Expert Opinion on Drug Discovery</i> , 2012, 7, 955-968.	5.0	21
60	MxB Is Not Responsible for the Blocking of HIV-1 Infection Observed in Alpha Interferon-Treated Cells. <i>Journal of Virology</i> , 2016, 90, 3056-3064.	3.4	21
61	Large-Scale Arrayed Analysis of Protein Degradation Reveals Cellular Targets for HIV-1 Vpu. <i>Cell Reports</i> , 2018, 22, 2493-2503.	6.4	21
62	High-Content Screening of Functional Genomic Libraries. <i>Methods in Enzymology</i> , 2006, 414, 530-565.	1.0	19
63	Broad Spectrum Inhibitor of Influenza A and B Viruses Targeting the Viral Nucleoprotein. <i>ACS Infectious Diseases</i> , 2018, 4, 146-157.	3.8	19
64	SNW1, a Novel Transcriptional Regulator of the NF- κ B Pathway. <i>Molecular and Cellular Biology</i> , 2019, 39, .	2.3	19
65	Positive Regulation of TRAF6-Dependent Innate Immune Responses by Protein Phosphatase PP1- β . <i>PLoS ONE</i> , 2014, 9, e89284.	2.5	13
66	An Integrated Map of HIV-Human Protein Complexes that Facilitate Viral Infection. <i>PLoS ONE</i> , 2014, 9, e96687.	2.5	13
67	HIV-1 Fusion with CD4+ T cells Is Promoted by Proteins Involved in Endocytosis and Intracellular Membrane Trafficking. <i>Viruses</i> , 2019, 11, 100.	3.3	13
68	Identification of Polo-like kinases as potential novel drug targets for influenza A virus. <i>Scientific Reports</i> , 2017, 7, 8629.	3.3	12
69	The Compound SBI-0090799 Inhibits Zika Virus Infection by Blocking <i>De Novo</i> Formation of the Membranous Replication Compartment. <i>Journal of Virology</i> , 2021, 95, e0099621.	3.4	11
70	Identification of Small Molecules that Interfere with H1N1 Influenza...A Viral Replication. <i>ChemMedChem</i> , 2012, 7, 2227-2235.	3.2	10
71	Gene Expression and Transcription Factor Profiling Reveal Inhibition of Transcription Factor cAMP-response Element-binding Protein by β -Herpesvirus Replication and Transcription Activator. <i>Journal of Biological Chemistry</i> , 2010, 285, 25139-25153.	3.4	9
72	mRNA display with library of even-distribution reveals cellular interactors of influenza virus NS1. <i>Nature Communications</i> , 2020, 11, 2449.	12.8	8

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73	A JAK/STAT-mediated inflammatory signaling cascade drives oncogenesis in AF10-rearranged AML. <i>Blood</i> , 2021, 137, 3403-3415.	1.4	8
74	Methods for the Functional Genomic Analysis of Ubiquitin Ligases. <i>Methods in Enzymology</i> , 2005, 398, 280-291.	1.0	7
75	Synthetic lethality-based prediction of anti-SARS-CoV-2 targets. <i>IScience</i> , 2022, 25, 104311.	4.1	7
76	Genomic and Proteomic Profiling of AF10-Fusion Oncoproteins Reveal Mechanisms of Leukemogenesis and Actionable Targets. <i>Blood</i> , 2018, 132, 544-544.	1.4	6
77	The E3 Ubiquitin-Protein Ligase Cullin 3 Regulates HIV-1 Transcription. <i>Cells</i> , 2020, 9, 2010.	4.1	5
78	Viral Determinants in H5N1 Influenza A Virus Enable Productive Infection of HeLa Cells. <i>Journal of Virology</i> , 2020, 94, .	3.4	5
79	NFAM1 Promotes Pro-Inflammatory Cytokine Production in Mouse and Human Monocytes. <i>Frontiers in Immunology</i> , 2021, 12, 773445.	4.8	4
80	Development of an In Vivo Probe to Track SARS-CoV-2 Infection in Rhesus Macaques. <i>Frontiers in Immunology</i> , 2021, 12, 810047.	4.8	3
81	Sec61 Inhibitor Apratoxin S4 Potently Inhibits SARS-CoV-2 and Exhibits Broad-Spectrum Antiviral Activity. <i>ACS Infectious Diseases</i> , 2022, 8, 1265-1279.	3.8	3
82	Mining High-Throughput Screening Data by Novel Knowledge-Based Optimization Analysis. , 0, , 205-233.		1
83	A combined EM and proteomic analysis places HIV-1 Vpu at the crossroads of retromer and ESCRT complexes: PTPN23 is a Vpu-cofactor. <i>PLoS Pathogens</i> , 2021, 17, e1009409.	4.7	0
84	Abstract 3583: Identifying and testing cancer-derived synthetic-lethal anti-SARS-CoV-2 targets. <i>Cancer Research</i> , 2022, 82, 3583-3583.	0.9	0